

PROJECT DESCRIPTION			EQUIPMENT LIST (CONT.)			EQUIPMENT LIST (CONT.)		
I. GENERAL			A) EQUIPMENT TO BE SUPPLIED BY S.H.A.			B) EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR		
This project involves the reconstruction of an existing Traffic Control Signal with interconnect at the intersection of MD 70 (Roscoe Rowe Blvd) and MD 435 (Taylor Ave) in Anne Arundel County. The traffic signal is being rebuilt due to intersection geometric improvements. MD 70 (Roscoe Rowe Blvd) is assumed to run an east-west direction.			ITEM NO.	DESCRIPTION	QUANTITY	ITEM NO.	DESCRIPTION	QUANTITY
II. INTERSECTION OPERATION				GUIDE SHIELD ASSEMBLY (36"x75") pole mounted. M3-4 "WEST"(30"x15") M1-5 "MD 70"(36"x36") M6-1 "left arrow "(30"x24")	1 EA	816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	2 EA
1. The intersection shall continue to operate in a NEMA seven-phase, semi-actuated mode, with the MD 70 (Roscoe Rowe Blvd) approaches continuing to run concurrent. Exclusive left turn phases shall remain in operation for both approaches of MD 70 (Roscoe Rowe Blvd). The pedestrian phase with pushbutton actuation across the east leg of MD 70 (Roscoe Rowe Blvd) shall remain in operation. A new pedestrian phase with pushbutton actuation shall be provided across the west leg of MD 70 (Roscoe Rowe Blvd). The pedestrian phases across MD 435 (Taylor Ave) shall remain on recall. The MD 435 (Taylor Ave) approaches shall continue to operate in a split phase..				GUIDE SHIELD ASSEMBLY (36"x75") pole mounted. M3-2 "EAST"(30"x15") M1-5 "MD 70"(36"x36") M6-1 "left arrow "(30"x24")	1 EA	816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	2 EA
2. A full-traffic-actuated, eight-phase controller with one - four channel, rack mount loop detector amplifiers, and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.				R10-4(1) Pedestrian education sign "PUSH BUTTON TO CROSS Rowe Blvd" (9"x12") pole mounted.	4 EA	818004	10 FOOT BREAKAWAY PEDESTAL POLE	2 EA
III. SPECIAL NOTES			B) EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR			818041	STEEL POLE WITH A SINGLE 60 FOOT MAST ARM	2 EA
1. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.			ITEM NO.	DESCRIPTION	QUANTITY	818052	STEEL POLE WITH SINGLE 70 FOOT MAST ARM	2 EA
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.			203030	TEST PIT EXCAVATION	7 CY	822002	12-PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)	675 LF
3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.			210026	REMOVAL OF EXISTING SIDEWALK	5 CY	831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	2 EA
EQUIPMENT LIST			500000	12" WHITE TEMPORARY PAVEMENT MARKING TAPE	975 LF	837001	GROUND ROD -3/4INCH DIAMETER X 10 FOOT LENGTH	7 EA
A) EQUIPMENT TO BE SUPPLIED BY S.H.A.			500000	24" WHITE TEMPORARY PAVEMENT MARKING TAPE	210 LF	860265	RELOCATE EXISTING SIGNAL HEAD	9 EA
ITEM NO.	DESCRIPTION	QUANTITY	585620	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	555 LF	860270	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	6 EA
900000	DETECTOR RACK POWER SUPPLY	1 EA	585624	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	240 LF	860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	40 EA
963010	FOUR CHANNEL LOOP DETECTOR AMPLIFIER - RACK MOUNT	1 EA	655104	4 INCH CONCRETE SIDEWALK	480 LF	860278	12 PEDESTRIAN SIGNAL HEAD SECTION POLE MOUNT	10 EA
971017	EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET- BASE MOUNT	1 EA	800000	RELOCATE EXISTING OVERHEAD SIGN ON SIGNAL STRUCTURE	6 EA	860282	12 PEDESTRIAN SIGNAL HEAD SECTION PEDESTAL POLE MOUNT	6 EA
973023	Sheet aluminum signs to consist of:	201 SF	800000	PULL BACK AND REROUTE INTERCONNECT CABLE	160 LF	861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	690 LF
	D3-2 "Taylor Ave" dual faced sign, (variable x 16") mast arm mounted.	2 EA	800000	PULL BACK AND REROUTE FIREHOUSE PUSHBUTTON CABLE	150 LF	861106	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)	80 LF
	D3-2 "Roscoe Rowe Blvd" dual faced sign, (variable x 16") mast arm mounted.	2 EA	800000	REPLACE HANDHOLE FRAME AND COVER	3 EA	861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	2400 LF
	R3-5R "RIGHT TURN ONLY" sign, (30" x 36") mast arm mounted.	1 EA	800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	1 LS	861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	1150 LF
	R3-5L "LEFT TURN ONLY" sign, (30" x 36") mast arm mounted.	3 EA	801004	CONCRETE FOR SIGNAL FOUNDATION	22 CY	861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	455 LF
	R3-6 "LEFT TURN AND THRU" sign, (30" x 36") mast arm mounted.	1 EA	801607	INSTALL SHEET ALUMINUM SIGN	201 SF	862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	130 LF
	R3-6(MOD) "LEFT, THRU AND RIGHT" sign (36" x 36") mast arm mounted.	1 EA	802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	935 LF	865001	PUSHBUTTON AND SIGN	4 EA
	GUIDE SHIELD ASSEMBLY (48"x75") pole mounted. M3-1 "NORTH"(30"x15") M1-5 "MD 435"(48"x36") M6-1 "left arrow "(30"x24")	1 EA	805011	1 INCH ELECTRICAL CONDUIT -GALVANIZED SLEEVE	55 LF	866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	1 EA
	GUIDE SHIELD ASSEMBLY (48"x75") pole mounted. M3-3 "SOUTH"(30"x15") M1-5 "MD 435"(48"x36") M6-1 "left arrow "(30"x24")	1 EA	805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED	85 LF	866104	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	1 EA
	GUIDE SHIELD ASSEMBLY (30"x51") pole mounted. M3-3 "SOUTH"(24"x12") M1-5 "MD 435"(30"x24") M6-1 "right arrow "(21"x15")	1 EA	805118	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED	500 LF	871202	INSTALL CONTROLLER AND CABINET - BASE MOUNT	1 EA
	GUIDE SHIELD ASSEMBLY (30"x51") pole mounted. M3-1 "NORTH"(24"x12") M1-5 "MD 435"(30"x24") M6-1 "right arrow "(21"x15")	1 EA	805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	875 LF			
	GUIDE SHIELD ASSEMBLY (24"x51") pole mounted. M3-2 "EAST"(24"x12") M1-5 "MD 70"(24"x24") M6-1 "right arrow "(21"x15")	1 EA	805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	180 LF			
			805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	10 LF			
			807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	1 EA			
			810550	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE	2 EA			
			810555	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	2 EA			
			811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	15 EA			
			816001	VIDEO DETECTION CAMERA	4 EA			

The contact persons for District #5 are as follows:

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 70 (ROSCOE ROWE BLVD) AND MD 435

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